


February 2, 2011

**VIA EFS-WEB**

Commissioner for Patents  
Attention: Certificates of Correction Branch  
P.O. Box 1450  
Alexandria, VA 22313-1450

|   |  |
|---|--|
| CERTIFICATE OF ELECTRONIC TRANSMISSION  |  |
| I hereby certify that this correspondence is being electronically filed with the United States Patent and Trademark Office via EFS-Web on the date below: |  |
| February 2, 2011<br>Date  | <br>Travis M. Wohlers |

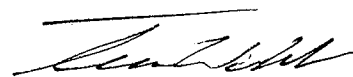
Re: Request for Certificate of Correction  
Patent No. 7,847,084 Dated: December 7, 2010  
Application No. 10/539,956 Confirmation No.: 9208  
Entitled: "VMP-LIKE SEQUENCES OF PATHOGENIC BORRELIA SPECIES AND STRAINS" - Steven J. NORRIS  
Our Ref.: UTSH:264US

Commissioner:

Attached is form PTO-1050. Errors of a minor nature are thereon corrected. The errors are due to applicant. A Certificate of Correction is requested under 35 U.S.C. § 255.

The required fee set forth in 37 C.F.R. § 1.20(a) is included. If the fee is inadvertently omitted, or should any additional fees under 37 C.F.R. §§ 1.16 to 1.21 be required for any reason relating to this document, or should an overpayment be included, the Commissioner is authorized to deduct or credit said fees from or to Fulbright & Jaworski Deposit Account No. 50-1212/UTSH:264US.

Respectfully submitted,



Travis M. Wohlers

TMW/jst  
Attachment

# UNITED STATES PATENT AND TRADEMARK OFFICE **CERTIFICATE OF CORRECTION**

PATENT NO. : 7,847,084  
 DATED : December 7, 2010  
 INVENTOR(S) : Steven J. NORRIS

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 1, lines 8-10, delete  
 "The government owns rights in the present invention pursuant to grant number  
 AI37277 from the National Institutes of Health." and insert  
 --This invention was made with government support under grant number AI037277  
 awarded by the National Institutes of Health. The government has certain rights in the  
 invention--.

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PATENT NO. 7,847,084  
 No. of add'l. copies  
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